

CLAIMS

1. A golf club head having
a head volume V of not less than 300 cc, and
a gravity point distance C (mm) satisfying the following condition (1)

$$(1) \quad C \leq 0.12 \times V^{-8}$$

wherein

in a state of the club head which is set on a horizontal plane HP such that a club shaft center line CL is inclined at its lie angle β while keeping the club shaft center line CL on a vertical plane VP1, and the club face is inclined at its face angle δ with respect to the vertical plane VP1, the gravity point distance C is defined as the shortest distance between the shaft center line CL and a projected gravity point G_a which is the gravity point G of the club head projected on the vertical plane VP1 perpendicularly to the vertical plane VP1.

2. A golf club head according to claim 1, wherein
the head volume V (cc) and gravity point distance C (mm) satisfy the following condition (2)

$$(2) \quad C \leq 0.12 \times V^{-10}$$

3. A golf club head according to claim 1, wherein
the head volume V (cc) and gravity point distance C (mm) satisfy the following condition (3)

$$(3) \quad C \leq 0.12 \times V^{-12}$$

4. A golf club head according to claim 1, 2 or 3, wherein
the head volume V (cc) and gravity point distance C (mm)

satisfy the following condition (4)

$$(4) \quad c \geq 0.12 \times v^{-20}$$

5. A golf club head according to claim 1, 2 or 3, wherein the head volume v (cc) and gravity point distance c (mm) satisfy the following condition (5)

$$(5) \quad c \geq 0.12 \times v^{-18}.$$

6. A golf club head according to claim 1, 2 or 3, wherein the ratio (M/V) of the moment of inertia M ($\text{g} \cdot \text{sq.cm}$) of the club head around a vertical axis passing through the gravity point of the club head to the head volume v (cc) is in a range of not less than 9.0.

7. A golf club head according to claim 1, 2 or 3, wherein the ratio (M/V) of the moment of inertia M ($\text{g} \cdot \text{sq.cm}$) of the club head around a vertical axis passing through the gravity point of the club head to the head volume v (cc) is in a range of from 9.0 to 11.0.

8. A golf club head according to claim 1, wherein a sweet spot height is in a range of from 25 to 40 mm.

9. A golf club head according to claim 1, wherein in a cross section of the club head along the vertical plane VP1, the shortest distance E between a heel end and the shaft center line CL is in a range of from 8 to 16 mm, wherein the heel end is defined as the farthest point from the shaft center line CL in the direction perpendicular to the shaft center line CL towards the heel of the head.